

5. A transmission cable according to claim 1, wherein the shape of the support element is a surface formed by two curved surfaces.

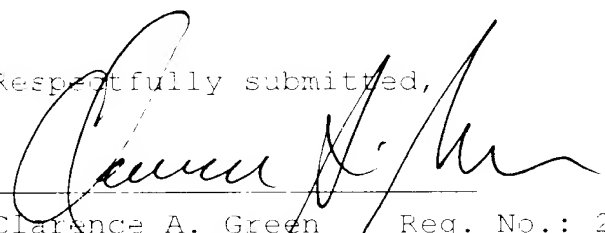
6. A transmission cable according to claim 1, wherein the signal cable is an inverted microstrip cable.

7. A transmission cable according to claim 1, wherein the signal cable is a coplanar cable.

REMARKS

In accordance with 37 C.F.R. §1.121 (as amended on 11/7/2000) the rewritten claim(s) above are shown on separate page(s) marked up to show all the changes relative to the previous version of that section.

Respectfully submitted,


Clarence A. Green Reg. No.: 24,622
PERMAN & GREEN, LLP
425 Post Road, Fairfield, CT 06430
(203) 259-1800
Customer No.: 2512

24 Sep 01

Date

Application entitled: INVERTED MICROSTRIP TRANSMISSION
LINE INTEGRATED IN A MULTILAYER STRUCTURE

MARKED UP CLAIMS:

Claims

What is claimed is:

1. A transmission cable constructed by multilayer technique, located in a cavity comprising a first surface and a second surface which is essentially parallel with the first surface,

said transmission cable consisting of

..... a signal cable ~~(20, 30, 40, 50, 60)~~, which is essentially parallel to the first cavity surface,

..... and of a ground cable ~~(21, 31, 41, 51, 61)~~, which is placed on said second surface, essentially in parallel with the signal cable,

and said transmission ~~characterised in that said cable~~ also comprises a support element ~~(25, 35, 45, 55, 65)~~ which has a surface that is essentially parallel with said first and second surfaces and is located between said first and second surfaces, so that ~~the said~~ signal cable is realised by means of an electroconductive material layer formed on the surface of the support element.

2. A transmission cable according to claim 1, characterised ~~wherein the in that said support element~~

~~(25, 35, 45)~~ is rectangular in shape.

3. A transmission cable according to claim 1,
characterised wherein the ~~in that the~~ support element
is a square ~~(45)~~.

4. A transmission cable according to claim 1,
characterised wherein the ~~in that the~~ shape of the support
element is a T-beam ~~(55)~~.

5. A transmission cable according to claim 1,
characterised wherein the ~~in that the~~ shape of the
support element is a surface ~~(65)~~ formed by two curved
surfaces.

6. A transmission cable according to claim 1,
characterised wherein the ~~in that the~~ signal cable is
an inverted microstrip cable.

7. A transmission cable according to claim 1,
characterised wherein the ~~in~~
that the signal cable is a coplanar cable.